

| Application No. | Applicant(s)    |  |
|-----------------|-----------------|--|
| 10/786,385      | WHEATLEY ET AL. |  |
| Examiner        | Art Unit        |  |
|                 |                 |  |
| James S. Hogan  | 3752            |  |

|   | ISSUE CLASSIFICATION                         |          |          |       |                    |             |               |  |            |             |                                       |                        |  |                          |                    |         |          |            |  |
|---|--|----------|----------|-------|--------------------|-------------|---------------|--|------------|-------------|---------------------------------------|------------------------|--|--------------------------|--------------------|---------|----------|------------|--|
|   | ORIGINAL                                     |          |          |       | CROSS REFERÊNCE(S) |             |               |  |            |             |                                       |                        |  |                          |                    |         |          |            |  |
| CLASS   | S  | UBCL     | ASS      |       | CLASS              |             |               |  | ASS PE     | R BLO       | CK)                                   |                        |  |                          |                    |         |          |            |  |
| 239   |  |          |          |       |                    |             | 6             | 32                                     |            | 54          |                                       |                        |  | 56                       |                    |         |          |            |  |
|   | ONIAL CLA                                    |          | ATION    |       | 239                |             | <u> </u>      |  |            | 0.1         | · · · · · · · · · · · · · · · · · · · |                        |  |                          |                    |         |          |            |  |
| INTERNATIONAL CLASSIFICATION                  |  |          |          |       |                    |             |               |  |            |             |                                       |                        |  |                          |                    |         |          |            |  |
| E 0 3 B 9/20                                  |  |          |          |       |                    |             |               |  |            |             |                                       |                        |  |                          |                    |         |          |            |  |
|   |  |          |          |       |                    |             |               |  |            |             |                                       |                        |  |                          |                    |         |          |            |  |
|   |  |          |          |       |                    |             |               |  |            |             |                                       |                        |  |                          |                    |         |          |            |  |
|   |  | A /      |          |       |                    |             |               |  |            |             |                                       |                        |  |                          |                    |         |          |            |  |
|   | · · · · · · · · · · · · · · · · · · ·        | 11 ,     |          | ····  |                    |             | ************* |  |            |             |                                       |                        |  |                          |                    |         |          |            |  |
|   | //   |          |          |       |                    |             |               |  |            |             | 2                                     | ->-                    |  |                          |                    |         |          |            |  |
|   | 3/11   |          | سرر      |       |                    |             | 1)            | <b></b>                                | 6, 2       | //          | 7                                     |                        |  |                          |                    |         |          |            |  |
| James   | S/Ho   | gan      | 11/27    | 7/200 | 5                  | IN SUBAR OF |               |  |            |             |                                       |                        |  | Total Claims Allowed: 52 |                    |         |          |            |  |
| (Assistant Examiner) (Date) David A. Scherhel |  |          |          |       |                    |             |               |  |            |             |                                       |                        |  |                          |                    |         |          |            |  |
| Supervisory Patent Examiner                   |  |          |          |       |                    |             |               |  |            |             |                                       | O.G.<br>Print Claim(s) |  |                          | O.G.<br>Print Fig. |         |          |            |  |
|   | 4/1/1  | 1/0      |          | 141   | 1195               |             | /D,-          | nan Crr                                | oupeg:     | <u>-</u> ^6 | (Date)                                |                        |  | Print                    | . ciaim(           | s)::::: | Prin     | ı rıg.     |  |
| /Legal/r                                      | straments                                    | s∟xar    | niner)   | KOK   | ey                 |             | \F 11         | ······································ | ימהאפי     | ·UU         | . (Date)                              |                        |  |                          | 1                  |         |          | 1          |  |
|   |  |          |          |       |                    |             |               |  |            |             |                                       |                        |  |                          |                    |         | .1       |            |  |
| Claim:  | s renum                                      | bered    | d in th  | e sam | ne orde            | er as p     | oresen        | ted by                                 | / appli    | cant        | o c                                   | PA                     |  | T                        | .D.                |         | ☐ R.1.47 |            |  |
| <u>a</u>                                      |  |          | a        |       |                    | a           |               |  | al         |             |                                       | <u>a</u>               |  |                          | ā                  |         |          | ā          |  |
| Final<br>rrigina                              |  | Final    | Original |       | Final              | gin         |               | Final                                  | Original   |             | Final                                 | gin                    |  | Final                    | gi                 |         | Final    | gin        |  |
| Final   |  | 正        | Ōŗi      |       | II.                | Original    |               | i i I                                  | Öri        |             | ίΞ                                    | Original               |  | i <u>i.</u>              | Original           |         | 证        | Original   |  |
| 1 1   | 1  -   | 26       | 31       |       |                    | 61          | }             | <u> </u>                               | 91         |             |                                       | 121                    |  |                          | 151                |         |          | 181        |  |
| 2 2   | 1  | 27       | 32       |       |                    | 62          | -             |  | 92         |             |                                       | 122                    |  |                          | 152                |         |          | 182        |  |
| 3 3   | 1  | =:       | 33       |       |                    | 63          |               |  | 93         |             |                                       | 123                    |  |                          | 153                |         |          | 183        |  |
| 4 4   | 7  | 28       | 34       |       |                    | 64          | 1             |  | 94         |             |                                       | 124                    |  |                          | 154                |         |          | 184        |  |
| 5 5   |  | 29       | 35       |       |                    | 65          | ]             |  | 95         |             |                                       | 125                    |  | •                        | 155                |         |          | 185        |  |
| 6 6   |  | 30       | 36       |       | 45                 | 66          |               |  | 96         |             |                                       | 126                    |  |                          | 156                |         |          | 186        |  |
| 7 7   | <b>↓                                    </b> | 31       | 37       |       | 46                 | 67          |               |  | 97         |             |                                       | 127                    |  |                          | 157                |         |          | 187        |  |
| 8 8   | <del></del>                                  | 32       | 38       |       | 47                 | 68          | ļ             |  | 98         |             |                                       | 128                    |  |                          | 158                |         |          | 188        |  |
| 10  |  | 33       | 39<br>40 |       | 48                 | _69<br>_70  | -             |  | 99<br>100  |             |                                       | 129                    |  |                          | 159                |         |          | 189        |  |
| 9 11  | ┨  | 34<br>35 | 41       |       | 50                 | 71          | ł             |  | 100        |             |                                       | 130<br>131             |  |                          | 160<br>161         |         |          | 190<br>191 |  |
| 12  | ┨ ├  | 36       | 42       |       | 51                 | 72          | 1             |  | 102        |             |                                       | 132                    |  |                          | 162                |         |          | 192        |  |
| 10 13   | 1  | 37       | 43       |       | 52                 | 73          | 1             |  | 103        |             | -                                     | 133                    |  |                          | 163                |         |          | 193        |  |
| 11 14   | 1 F  |          | 44       |       |                    | 74          | 1             | <b>-</b>                               | 104        |             |                                       | 134                    |  |                          | 164                |         |          | 194        |  |
| 12 15   | ] [  |          | 45       |       |                    | 75          | ]             |  | 105        |             |                                       | 135                    |  |                          | 165                |         |          | 195        |  |
| 13 16   | ] [  |          | 46       |       |                    | 76          | ]             |  | 106        |             |                                       | 136                    |  |                          | 166                |         |          | 196        |  |
| 14 17   | ] [  | 38       | 47       |       |                    | 77          | [             |  | 107        |             |                                       | 137                    |  |                          | 167                |         |          | 197        |  |
| 18  | <b>↓</b>                                     | 39       | 48       |       |                    | 78          | {             |  | 108        |             |                                       | 138                    |  |                          | 168                |         |          | 198        |  |
| 15 19   | -  | 40       | 49       |       | <u> </u>           | 79          | }             |  | 109        |             |                                       | 139                    |  |                          | 169                |         |          | 199        |  |
| 16 20<br>17 21                                | ┥┝   | 41       | 50       |       |                    | 80          |               |  | 110        |             |                                       | 140                    |  |                          | 170                |         |          | 200        |  |
| 17 21<br>18 22                                | ┨ ├  | 42       | 51<br>52 |       | <b></b>            | 81<br>82    | }             |  | 111<br>112 |             |                                       | 141<br>142             |  |                          | 171<br>172         |         |          | 201        |  |
| 23  | ┨ ├  |          | 53       |       |                    | 83          | 1             |  | 113        |             |                                       | 143                    |  |                          | 173                |         |          | 202        |  |
| 19 24   | ┧ ├  |          | 54       |       |                    | 84          | 1             |  | 114        |             |                                       | 144                    |  |                          | 174                |         |          | 203        |  |
| 20 25   | 1 F  |          | 55       |       |                    | 85          |               |  | 115        |             |                                       | 145                    |  |                          | 175                |         |          | 205        |  |
| 21 26   | 1  |          | 56       |       |                    | 86          | 1             |  | 116        |             |                                       | 146                    |  |                          | 176                |         |          | 206        |  |
| 22 27   |  |          | 57       |       |                    | 87          | ]             |  | 117        |             |                                       | 147                    |  |                          | 177                |         |          | 207        |  |
| 23 28   |  | 43       | 58       |       |                    | 88          |               |  | 118        |             |                                       | 148                    |  |                          | 178                |         |          | 208        |  |
| 24 29   | _ [_   | 44       | 59       |       |                    | 89          |               |  | 119        |             |                                       | 149                    |  |                          | 179                |         |          | 209        |  |
| 25 30   |  |          | 60       |       |                    | 90          |               |  | 120        |             |                                       | 150                    |  |                          | 180                |         |          | 210        |  |